World Development Indicators
GDP Growth Factors? - USA

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Dataset(s)

Which dataset did you use of the following:

-   World Development Indicators Dataset

Motivation

We are going to see how the Birth rate, GDP per Capita and Population density have grown or decline over the years for Unites States and compare it with other populous countries such as

- Japan

- India

- China

- Nigeria

Research Question(s)

1) How did the GDP grow for the US, Japan and India? (added China and Nigeria later)

2) How does US fare with other countries in birth rate? Population density

3) What could be the contributing facts for US GDP growth?

Findings - Birth Rate

Crude birth rate (per 1000 people) is declining over all. Here are some observations.

India
- Steady decline in the rate
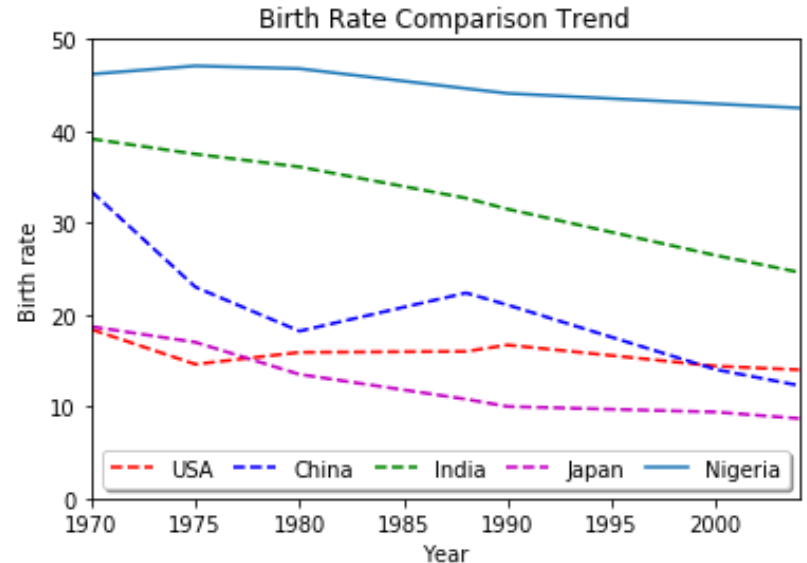
Japan
- Drops down after 1990.

China
- Sharp bumps in the rate but over all, it declines after 1990

USA
- Rate is steady and the line is in fact flat from 1995 to 2013.
- Doesn't drop like other countries mentioned.

Nigeria
- Most populous compared to the other countries in this study.
- Steady decline.

Birth Rate Comparison Trend

Findings – Population Density

GDP Per Capita (current US$) for 5 countries. Understanding birth rate for the countries could help in understanding this.

India, Nigeria
- Steady increase suggests increase in population.
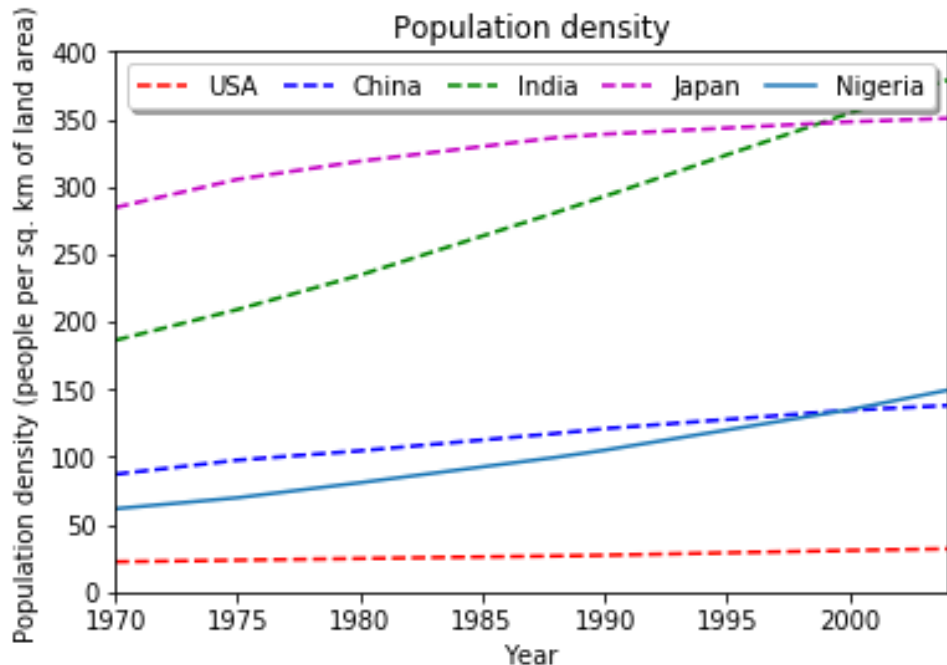
China
- Angled line suggests slow increase in population.

USA
- Almost flat line suggesting neat distribution of population, despite increase in numbers.

Japan
- There is a period when the line rises and falls flat after 1990.

Findings – GDP Per Capita

GDP Per Capita (current US$) for 5 countries.
This is studies are some observations.

India, China, Nigeria
- The trend is steady and almost same. India is almost super imposed by China and hardly visible.
- Interestingly, all these countries got independence after 1940, and this probably had an impact in GDP growth.

Japan, USA
- Rapid rise in the line indicates rapid growth after 1980.
- Rise in Technology, exports and imports must have created more jobs. (one of many causes for GDP growth). More research and time required to play with other factors.

GDP per capita
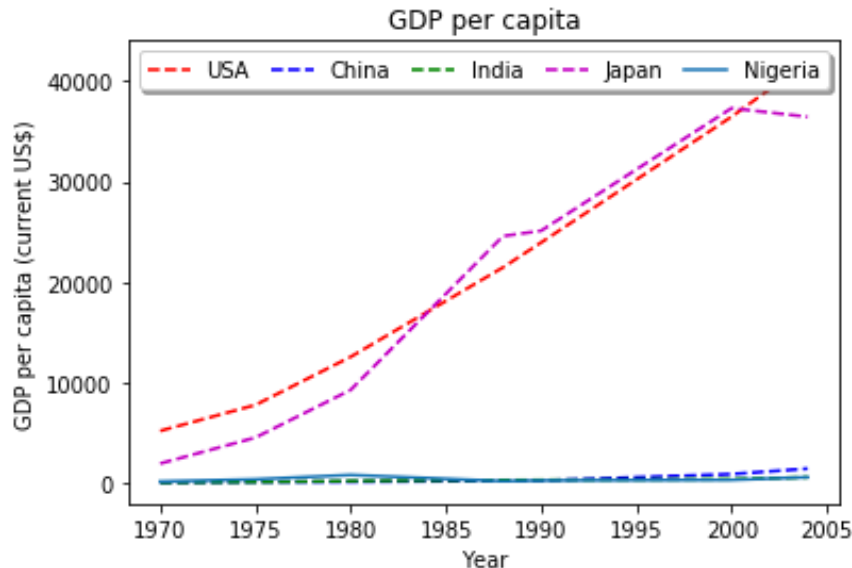
Findings – Wage and Salaried Workers

Objective of the Mini project was to understand more about US GDP, how does it fare with other countries, what could have contributed to the growth/decline of the GDP.

This section is a work section and I tried to understand how the employment was for US and Japan, which has better GDP growth.

Acknowledgements

Thanks to my wife!

References

I have referred few websites to get this done

- http://matplotlib.org/

- https://www.datacamp.com/community/tutorials/matplotlib-tutorial-python